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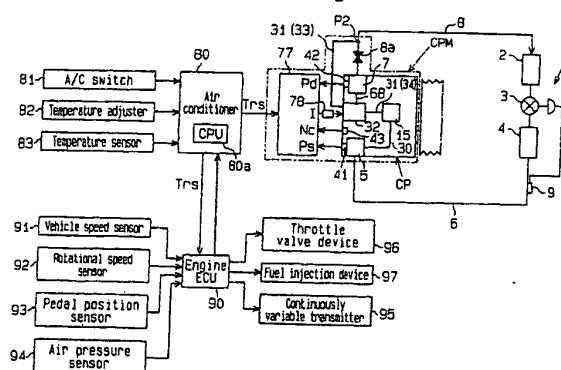
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(54) Displacement control apparatus for variable displacement compressor, displacement control method and compressor module

(57) A displacement control apparatus controls the displacement of a variable displacement compressor (CP). A drive shaft (16) of the compressor (CP) is driven by an engine (25). Torque (Tr) acting on the drive shaft (16) represents the displacement. The apparatus includes a control valve (32), an air conditioner controller (80) and a compressor controller (77). The control valve (32) changes the compressor displacement. The air conditioner controller (80) produces a torque setting signal, which represents a target torque (Tr_{set}), to the compressor controller (77). The compressor controller (77) changes the valve opening based on the torque setting signal such that the actual load torque (Tr) matches the target torque value (Tr_{set}). Accordingly, the compressor (CP) is controlled according to the torque. The air conditioner controller (80) may send the torque setting signal to an engine controller (90), which eliminates the need for load torque maps.

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Fig.1



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The present search report has been drawn up for all claims					
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MUNICH	20 February 2002	Hillebrand, S			
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X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			
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